



Fig. 1.

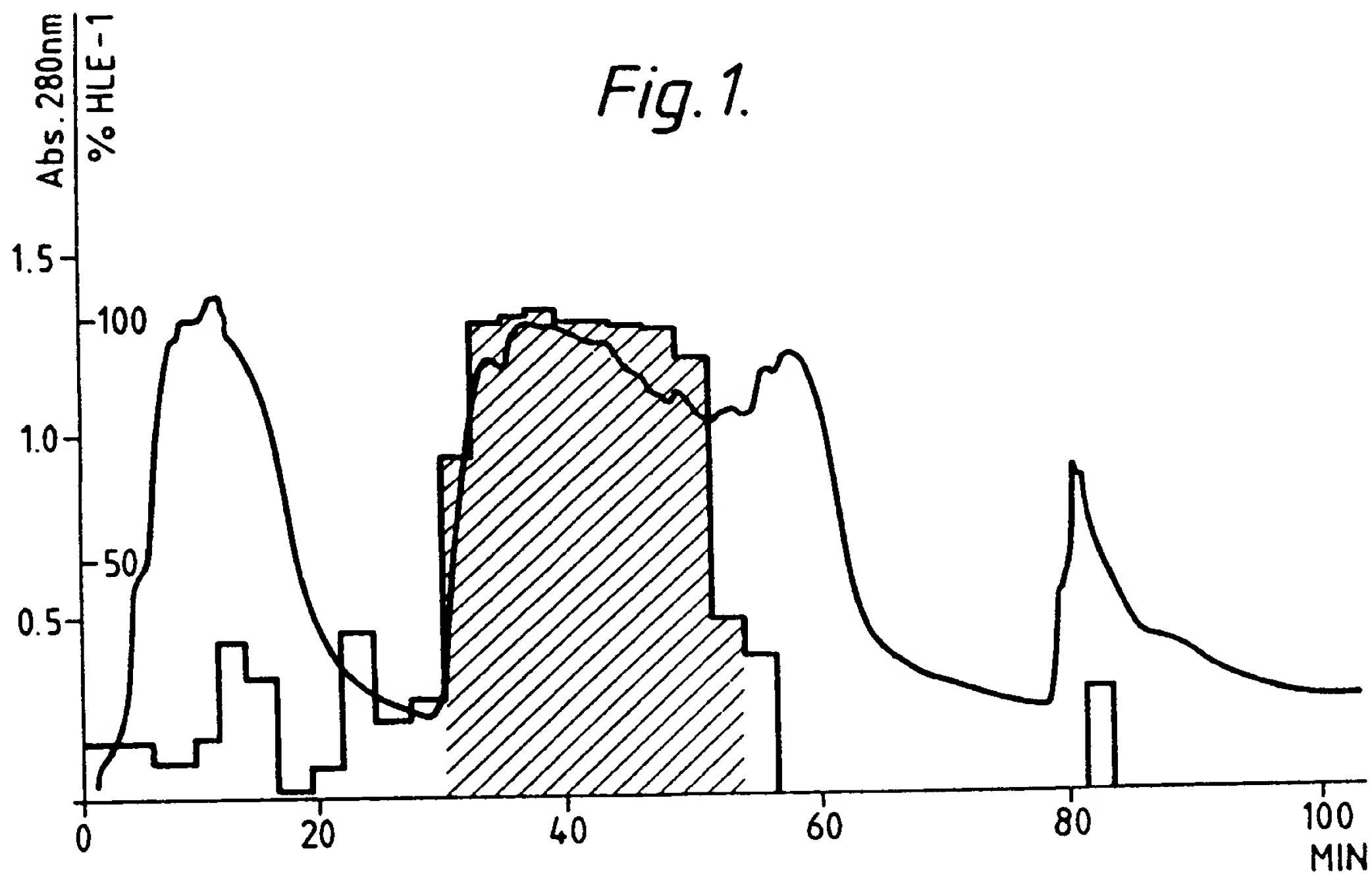


Fig. 2.

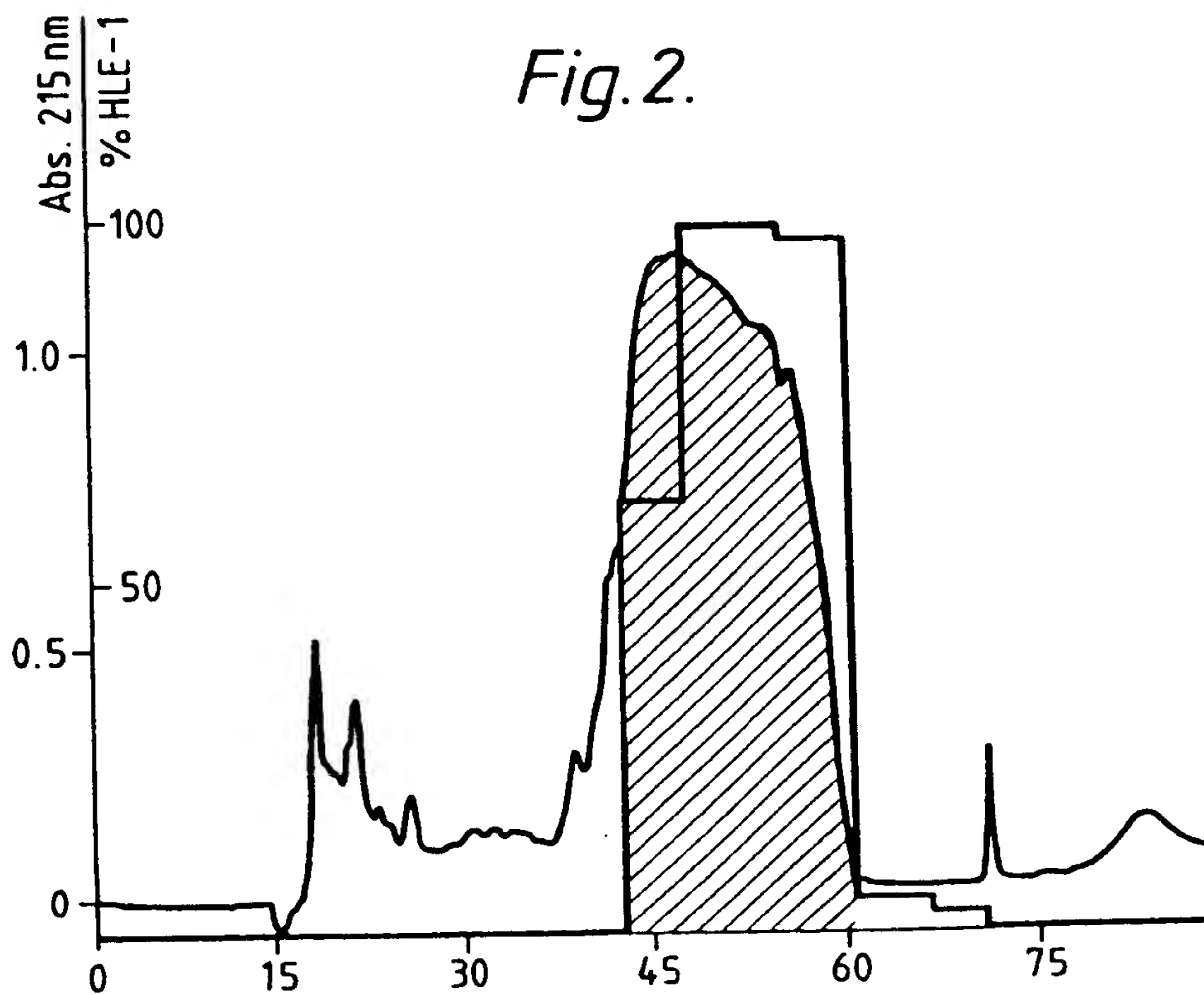


Fig.3.

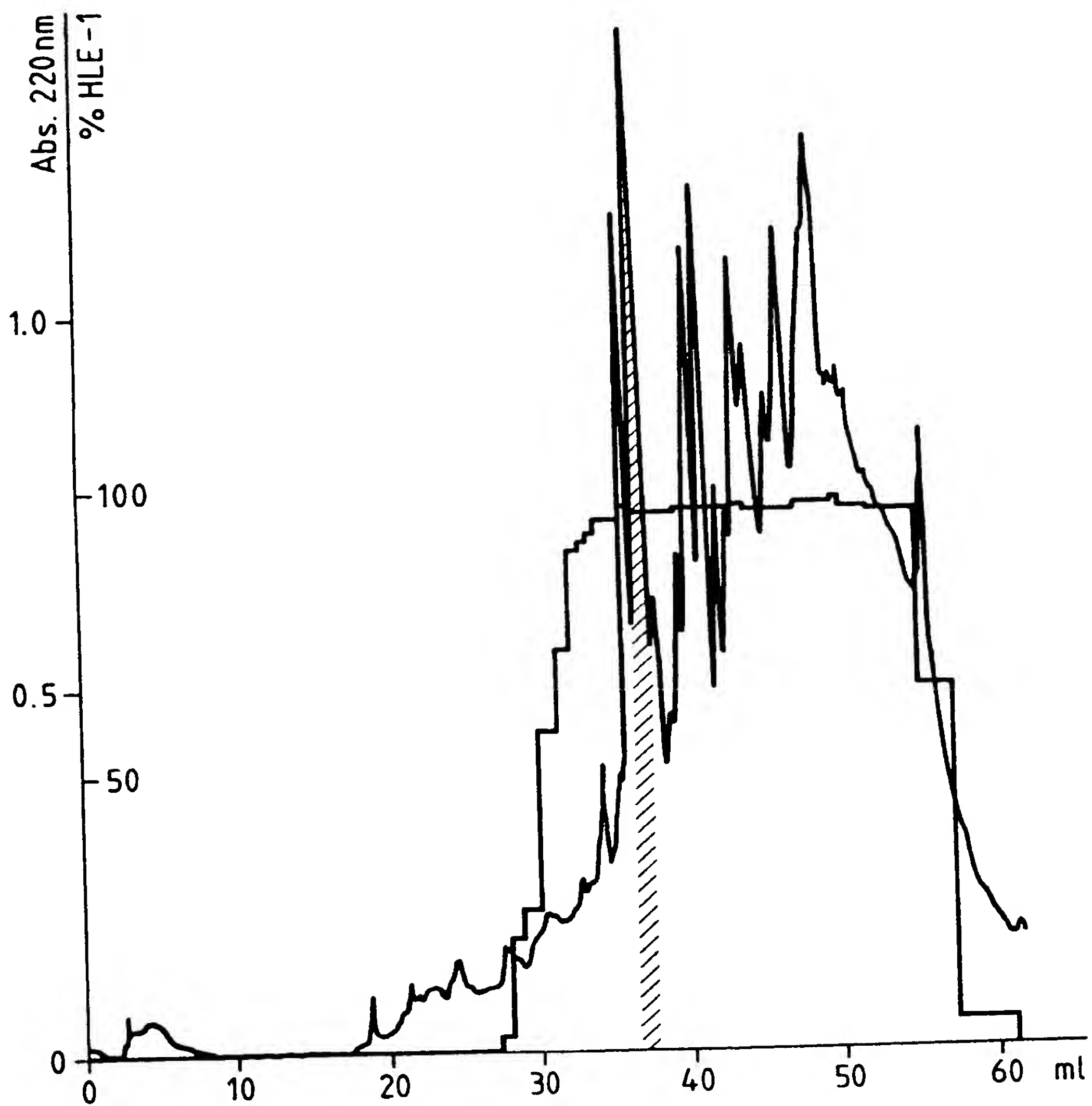
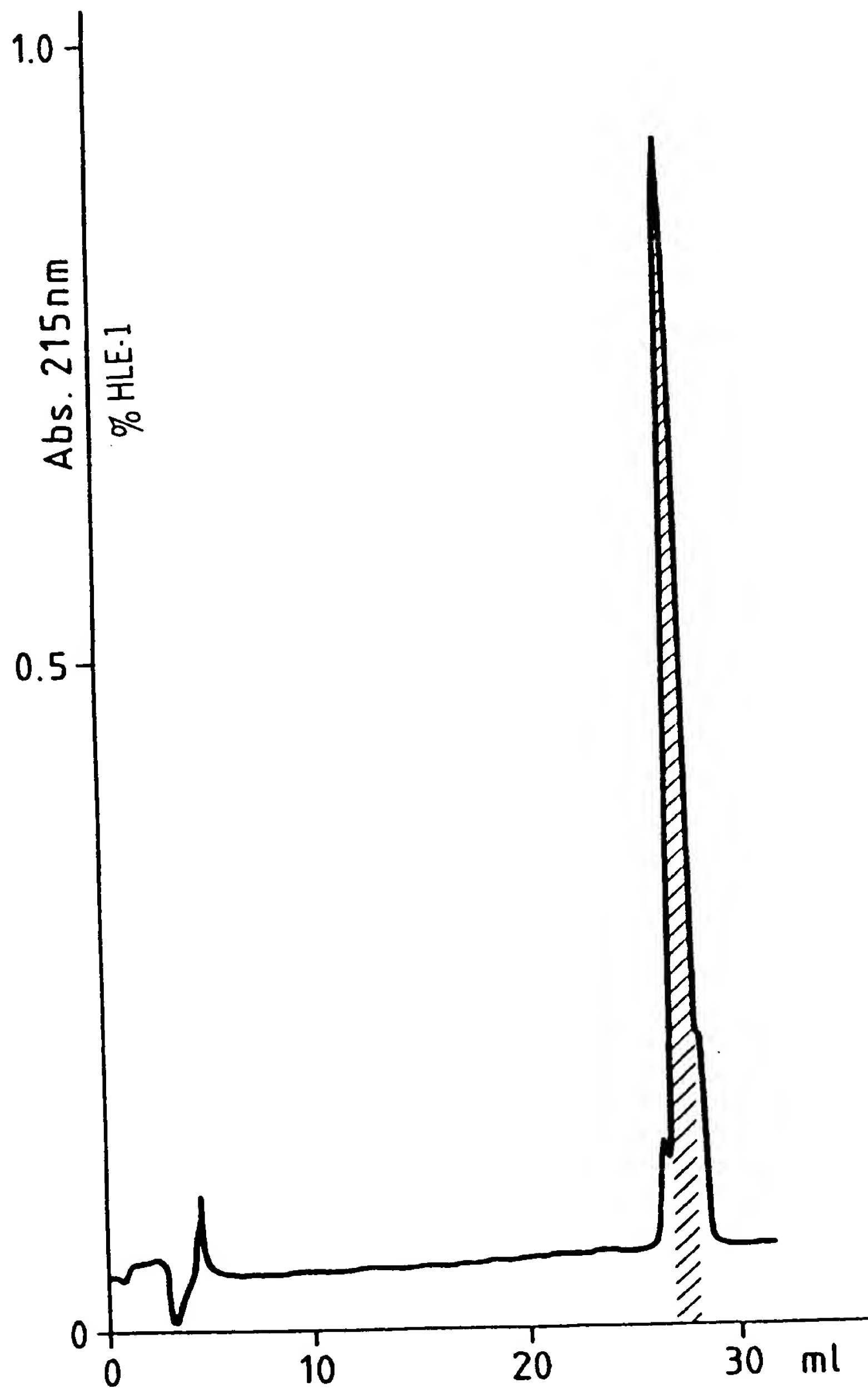


Fig. 4.



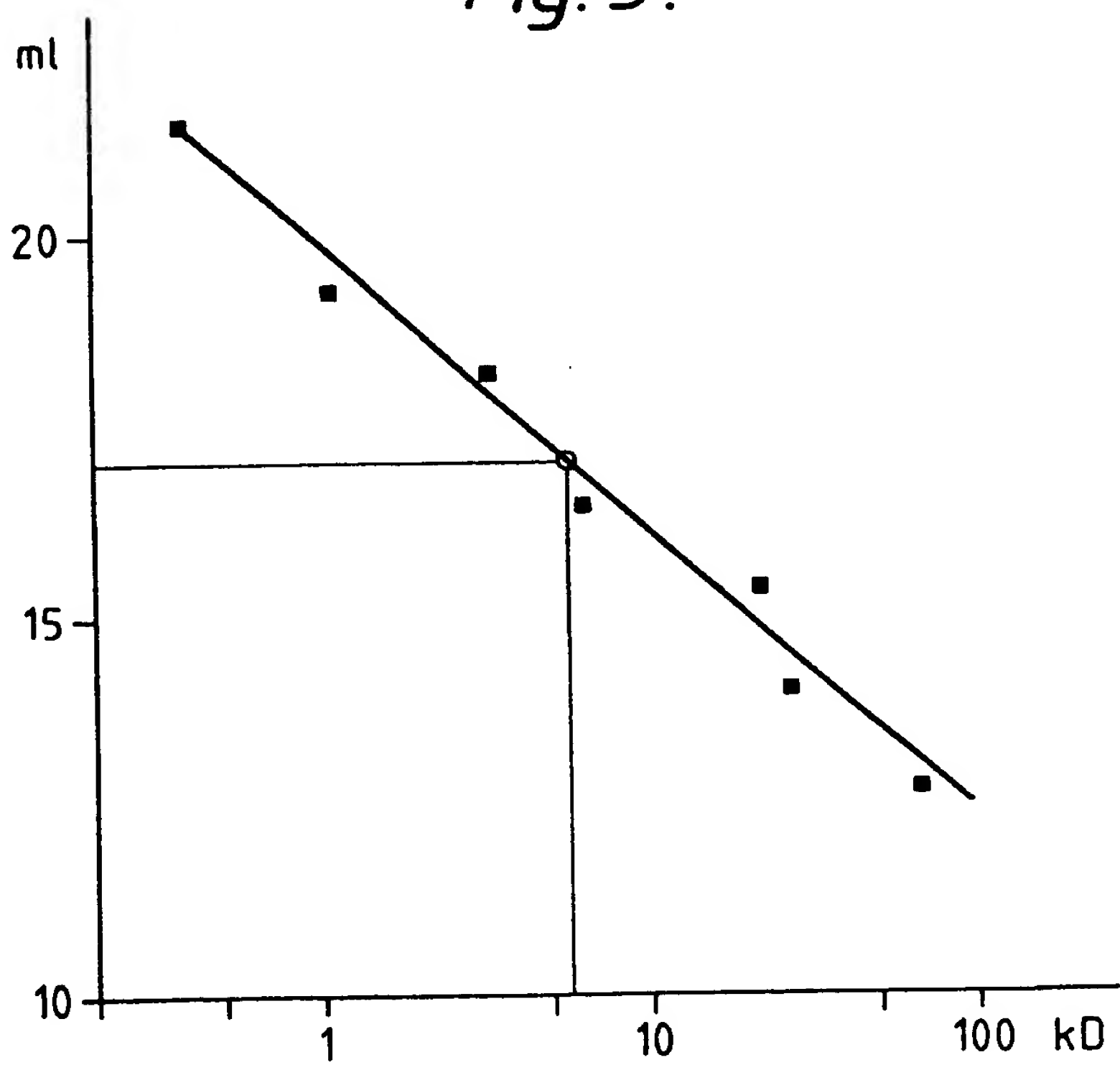
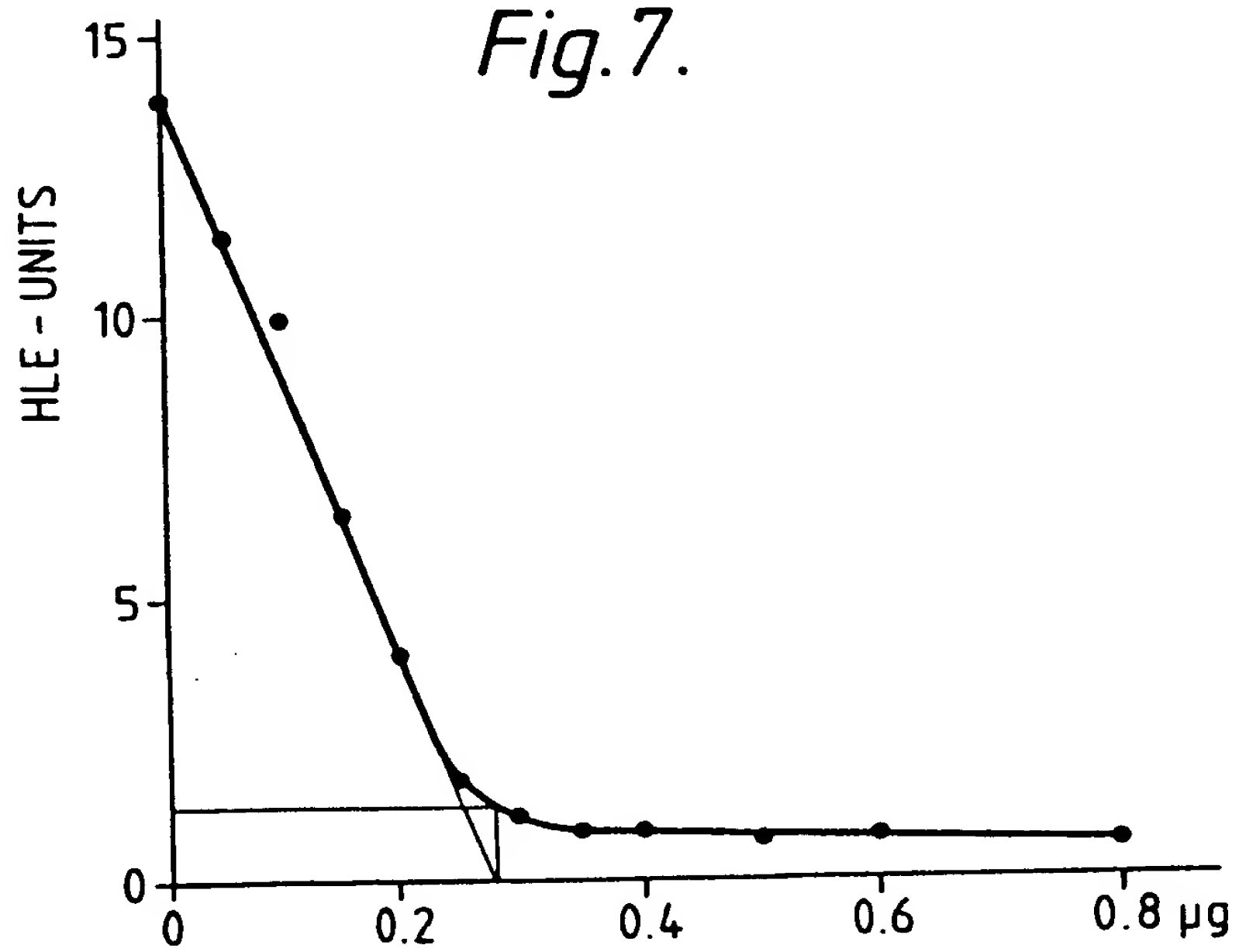
[illegible]

Fig. 7.



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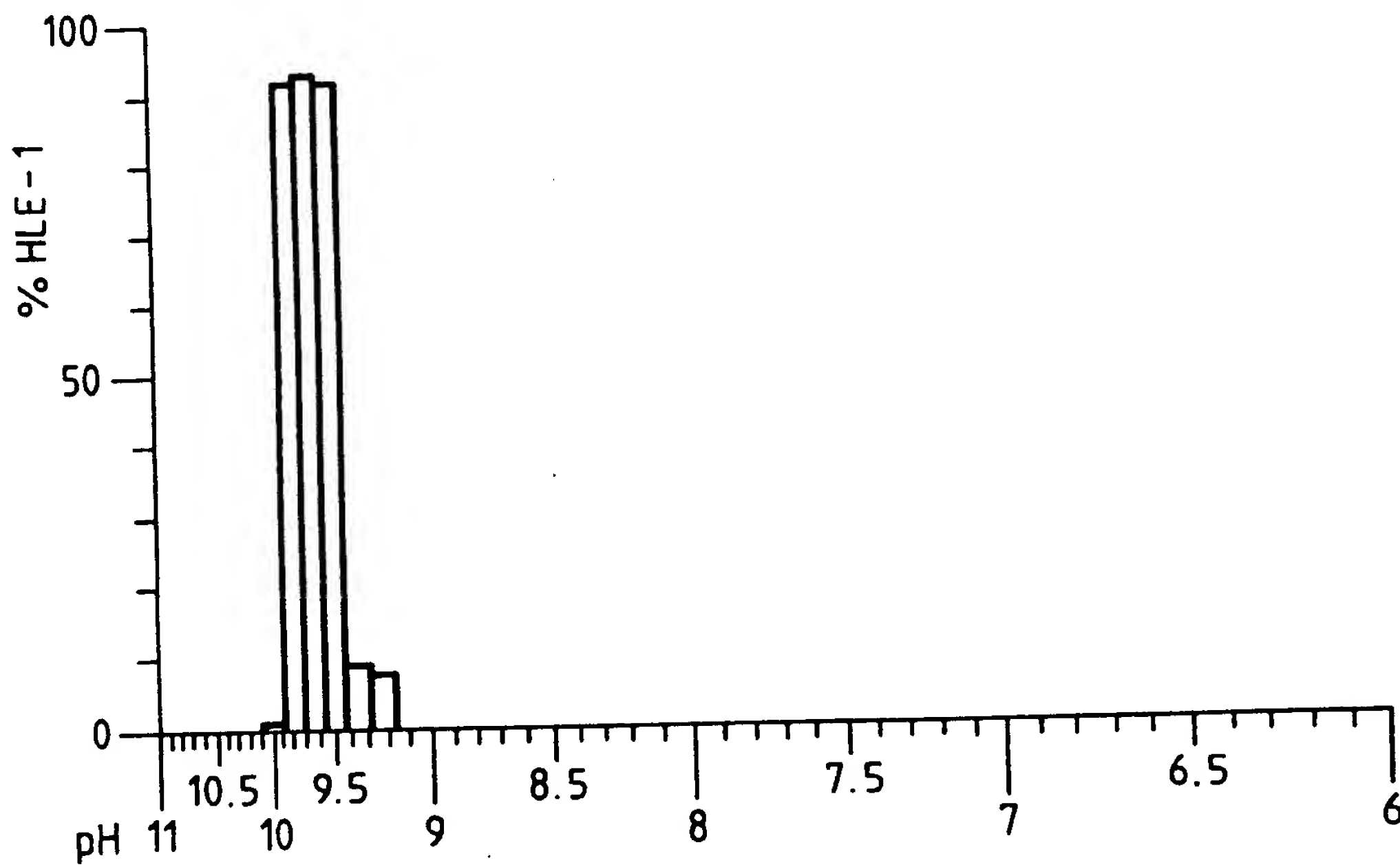
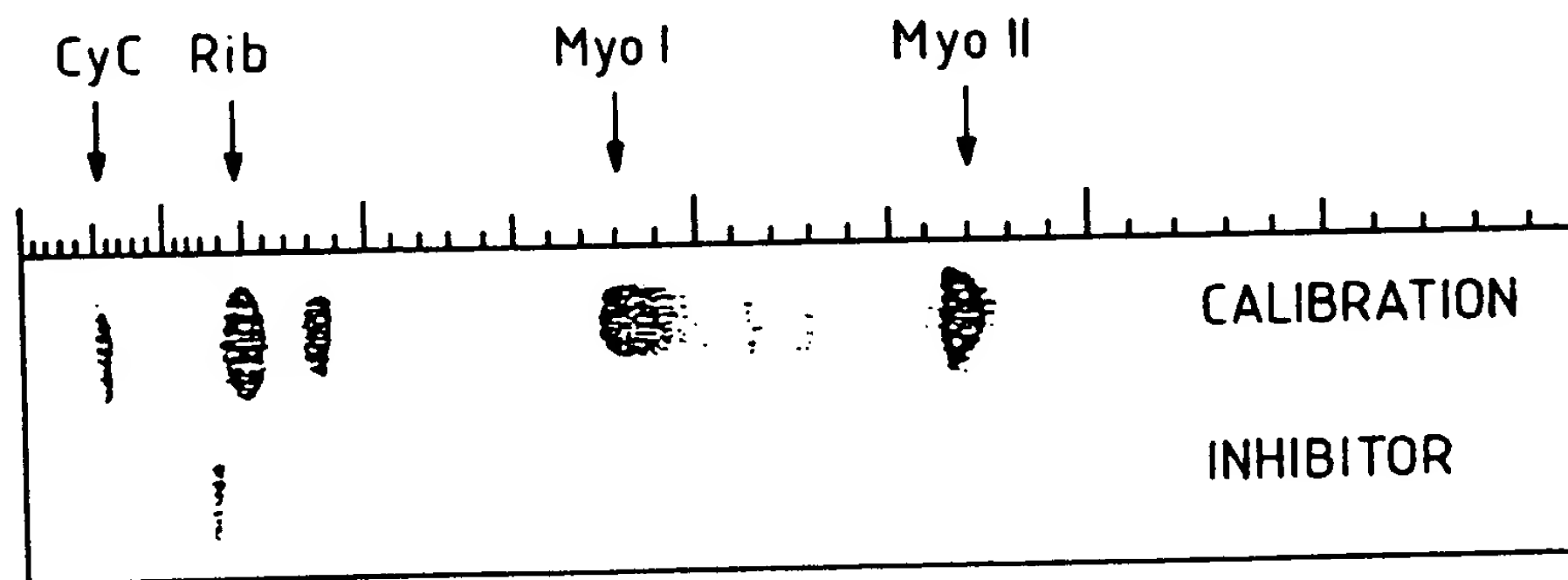
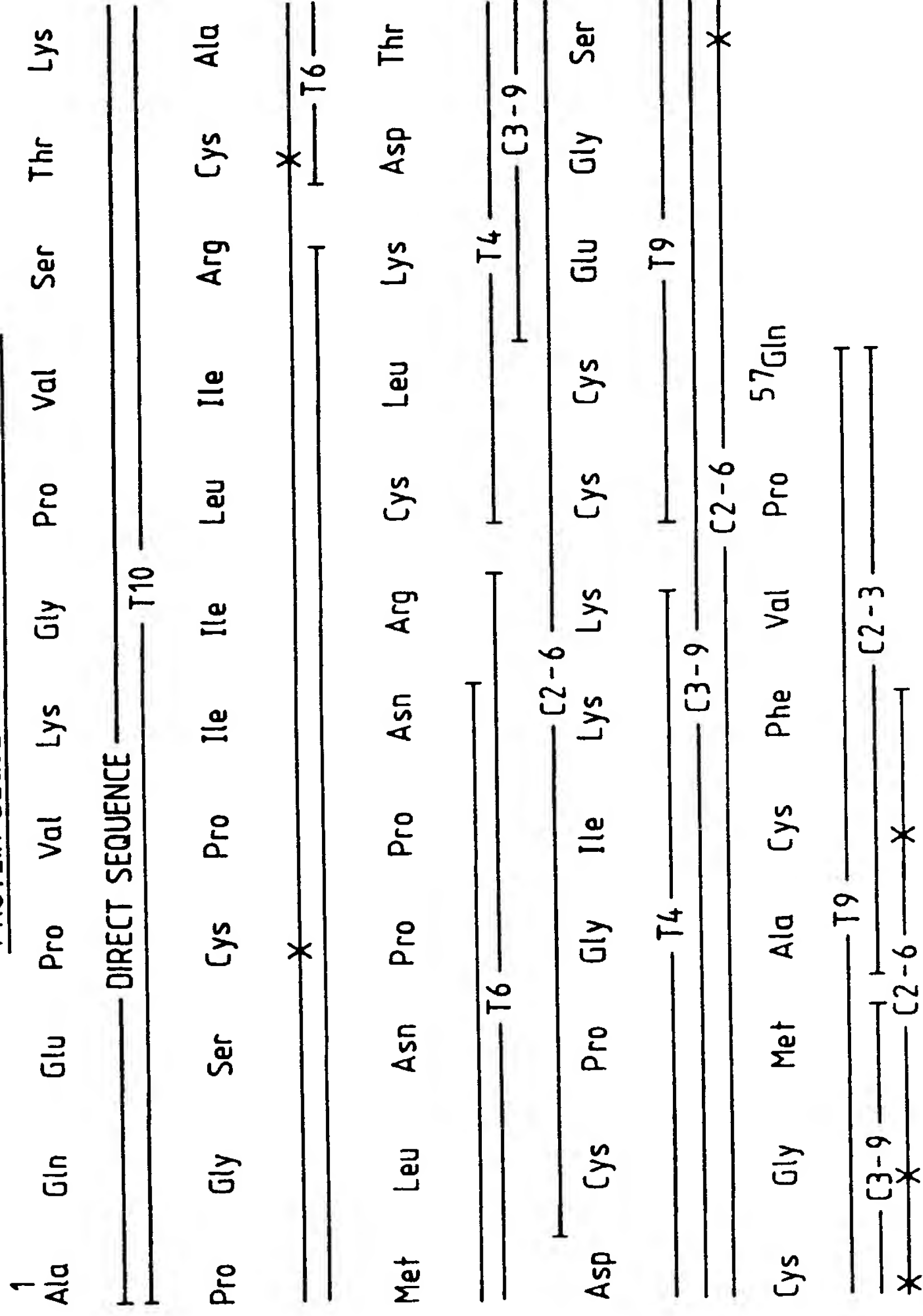


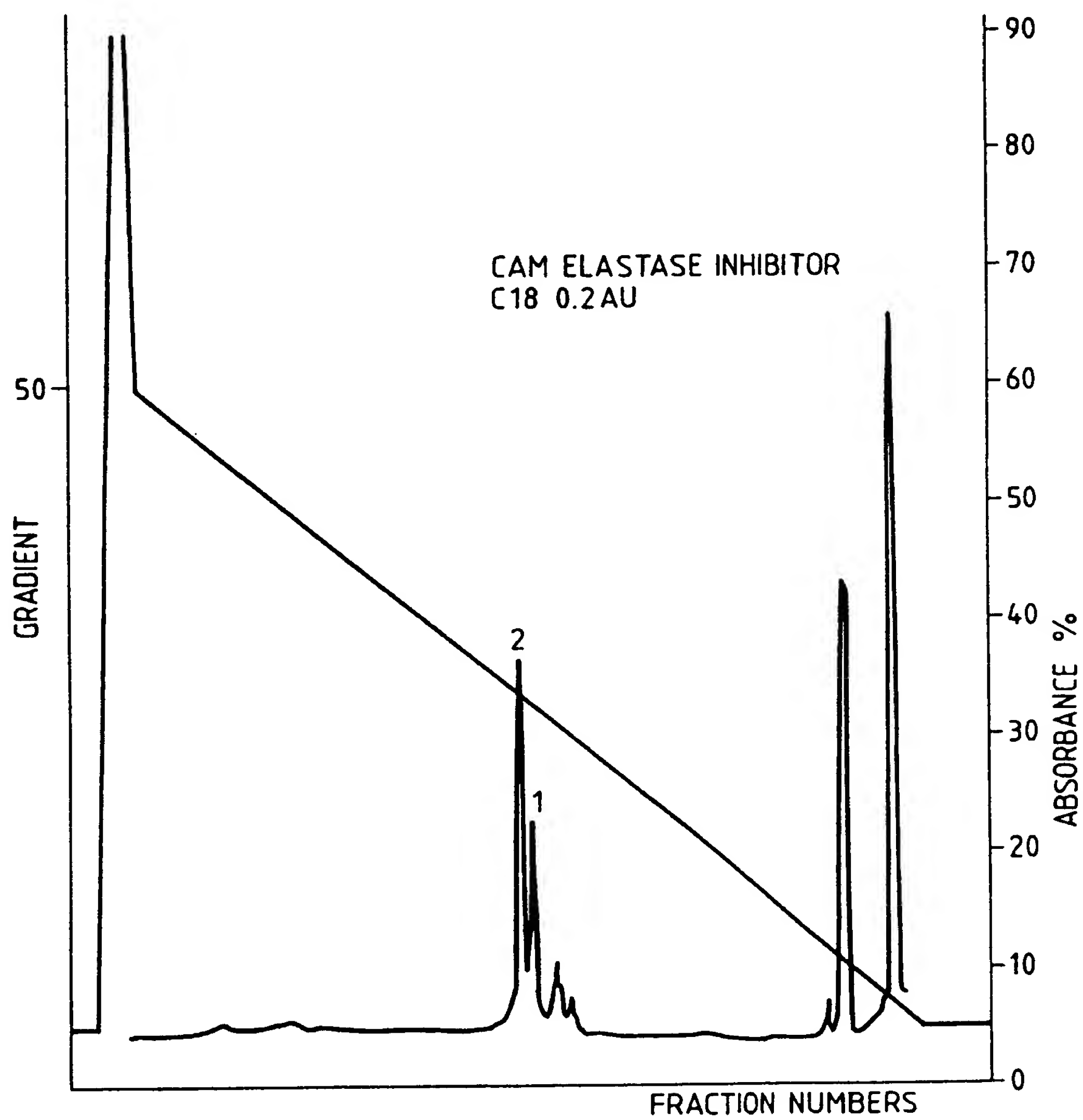
Fig. 8.

PROTEIN SEQUENCE OF ELASTASE INHIBITOR



X = UNIDENTIFIED T = TRYPTIC FRAGMENTS C = CHYMOTRYPTIC FRAGMENTS

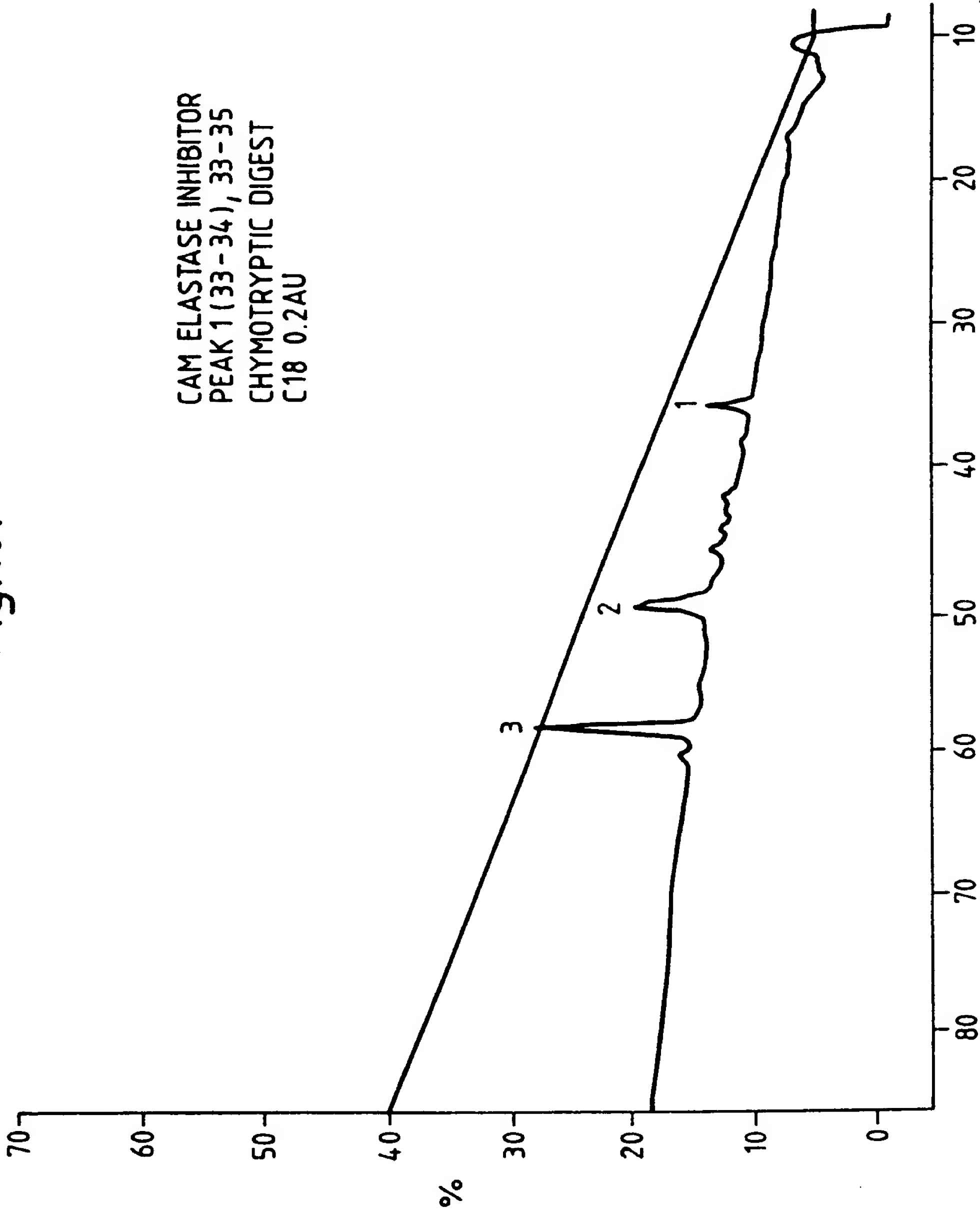
Fig. 9.



[illegible]

Fig. 10.

CAM ELASTASE INHIBITOR
PEAK 1 (33 - 34), 33 - 35
CHYMOTRYPTIC DIGEST
C18 0.2AU

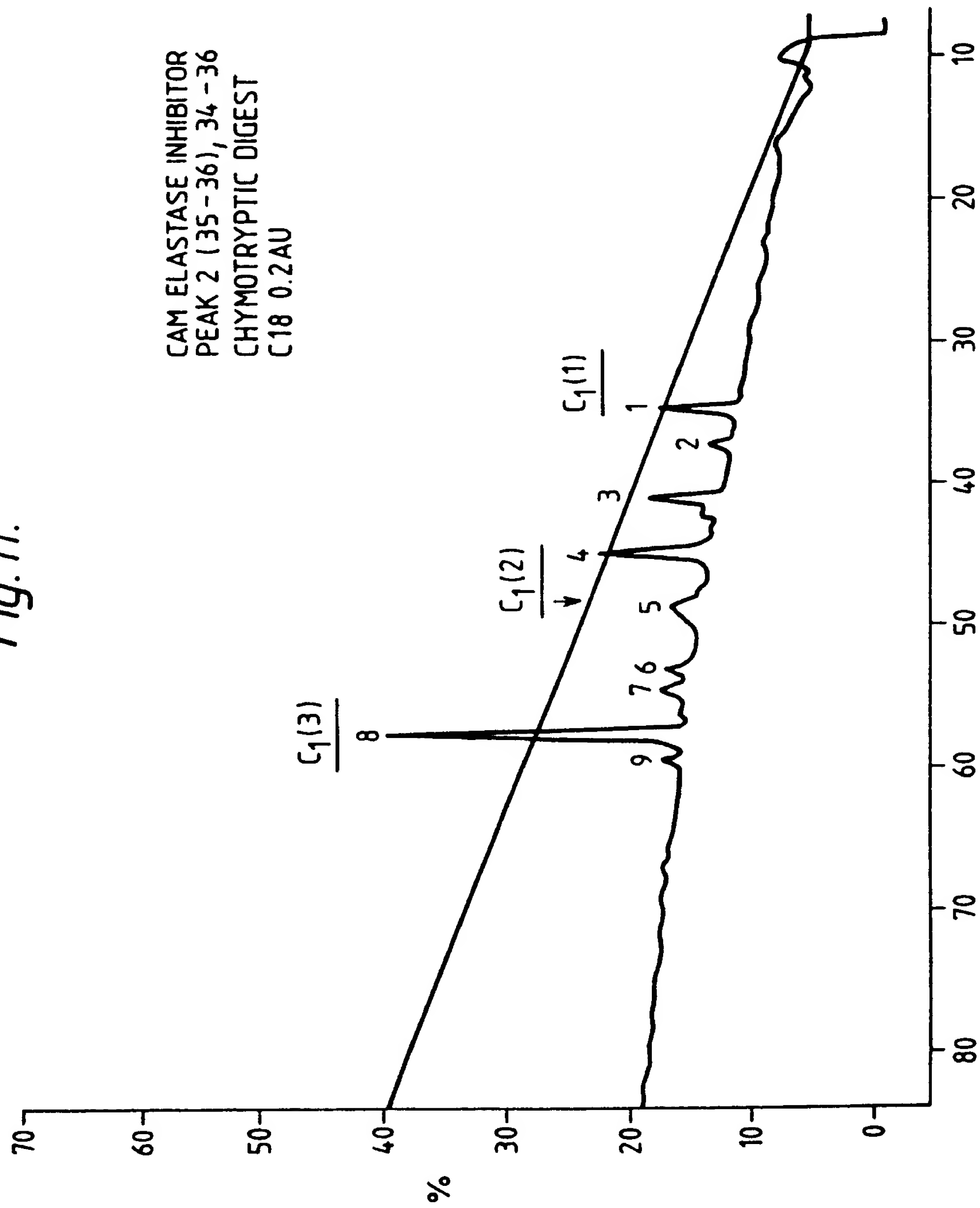


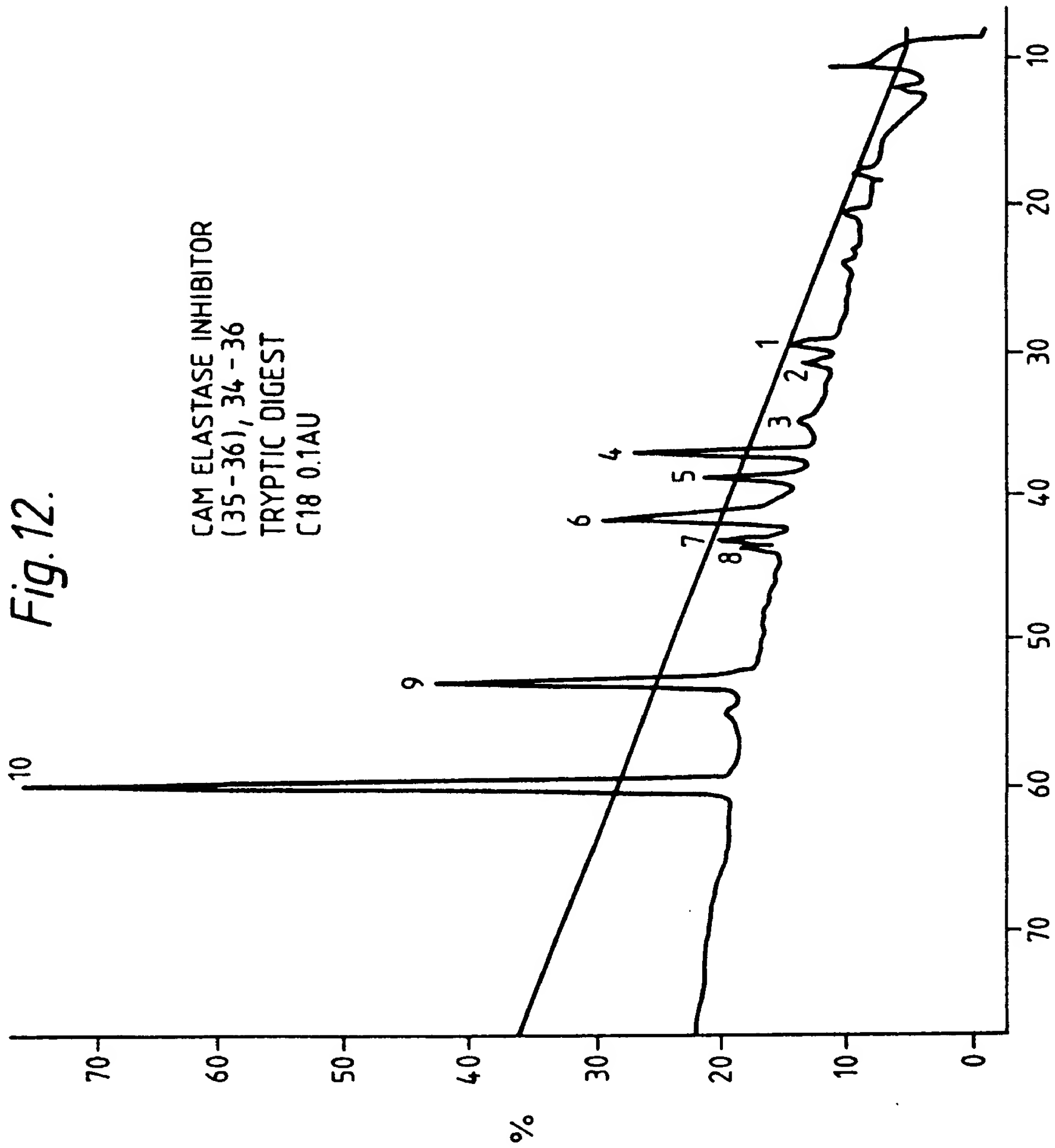
10-11-1963


[illegible]

Fig. 11.

CAM ELASTASE INHIBITOR
PEAK 2 (35 - 36), 34 - 36
CHYMOTRYPTIC DIGEST
C18 0.2AU





1  ELI 1
AATTCGAGCTCGGTACCATACCTGCATATGCTCAAGAACAGTTAAAGGTCCTGTGTCTACT
GCTCGAGCCATGGTATGGACGTATACGAGTTCTTGGTCAATTTCCAGGACACAGATGA

63
AAGCCAGGTTCTTGTCCTATTATCTTGATTCGTTGCGCTATGTTAAACCCACCTAACCGT
TTCGGTCCAAGAACAGGATAATAGAACTAAGCAACGCGATACAATTTGGGTGGATTGGCA
ELI2

123
 TGT TTGAAGGACACTGATTGTCCAGGTATCAAAAAGTGCTGTGAAGGTTCTGCGGTATG
 ACAAACTTCTGTGACTAACAGGTCCATAGTTTTTCACGACACTTCCAAGGACGCCATAC
 ELI5
 ELI4

183 GCTTGTTTCGTTCCACAATAATAG

ELI6 

Fig. 14.

Ala Gln Glu Pro Val Lys Gly Pro Val Ser Thr Lys Pro Gly Ser Cys
GCG CAA GAG CCA GTC AAA GGT CCA GTC TCC ACT AAG CCT GGC TCC TGC

5' DNA

Sequence

Pro Ile Ile Leu Ile Arg Cys Ala Met Leu Asn Pro Pro Asn Arg Cys
CCC ATT ATC TTG ATC CGG TGC GCC ATG TTG AAT CCC CCT AAC CGC TGC

Leu Lys Asp Thr Asp Cys Pro Gly Ile Lys Lys Cys Cys Glu Gly Ser

TTG AAA GAT ACT GAC TGC CCA GGA ATZ AAG AAP TGC TGT GAA GGC TCT

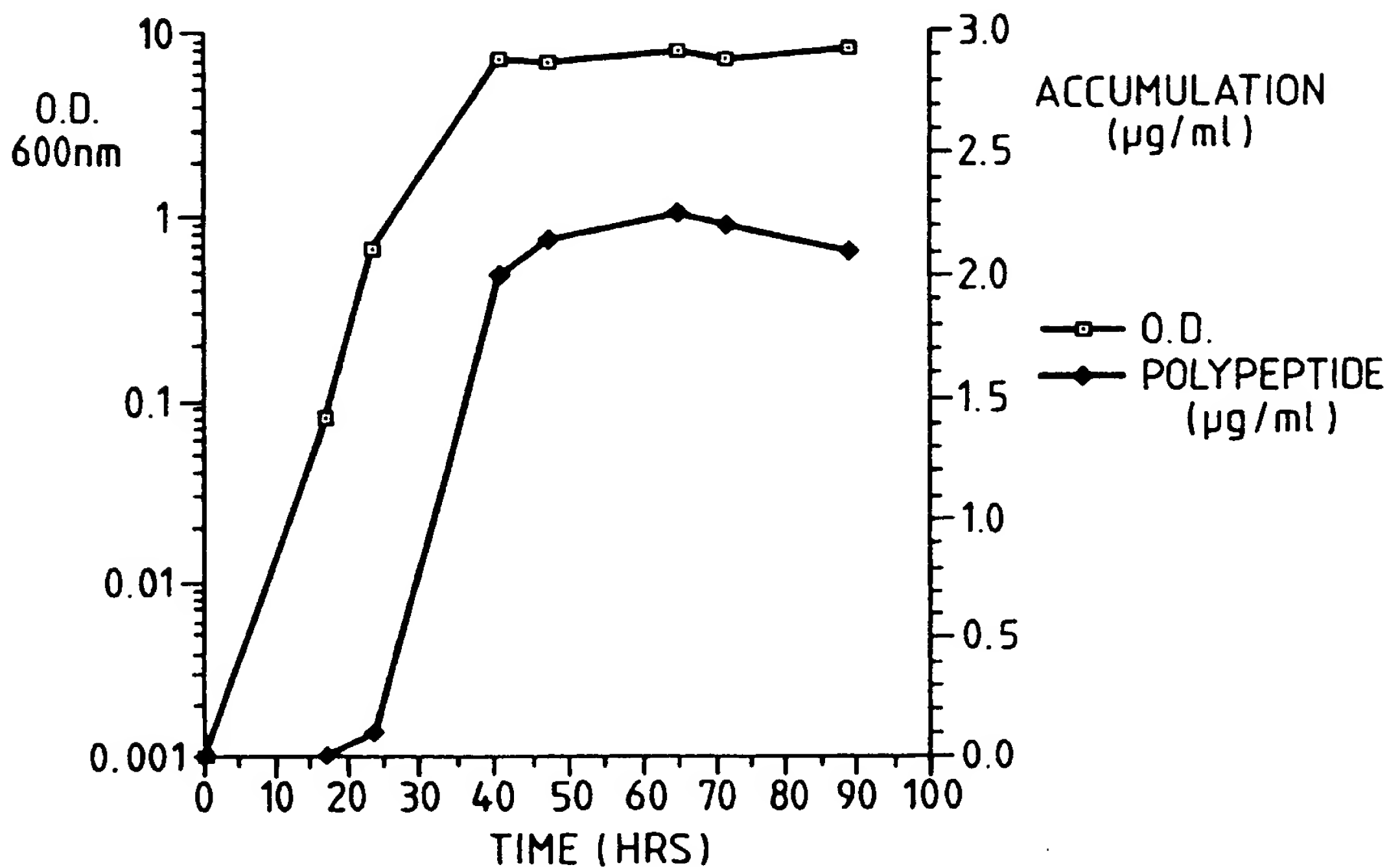
Cys Gly Met Ala Cys Phe Val Pro Gln

TGC GGG ATG GCC TGT TTC GTT CCC CAG

Z = T, C or A

P = A or G

Fig. 19.



Sequence

Leu Lys Asp Thr Asp Cys Pro Gly Ile Lys Lys Cys Cys Glu Gly Ser

Cys Gly Met Ala Cys Phe Val Pro Gln

GCCGTCCCCAGAGCTACAGGCCCCATCTGGTCCTAAGTCCCTGCTGCCCTTCCCCTTCCCACACTGTCCA
 TTCTTCCTCCCATTCAGGATGCCACGGCTGGAGCTGCCTCTCTCATCCACTTTCCAATAAAGAGTTCCG
 GAATTC

Poly A 3'

signal

Z = T, C or A

P = A or G

[illegible]

[illegible]



Fig. 16 (cont.)

190 210 230
AGTCTCCACTAAGCCTGGCTCCTGCCCCATTATCTTGATCCGGTGCGCCATGTTGAATCC
oValSerThrLysProGlySerCysProIleIleLeuIleArgCysAlaMetLeuAsnPr

250 270 290
CCCTAACCGCTGCTTGAAAGATACTGACTGCCCAGGAATCAAGAAGTGCTGTGAAGGCTC
oProAsnArgCysLeuLysAspThrAspCysProGlyIleLysLysCysCysGluGlySe

310 330 350
TTGCGGGATGGCCTGTTTCGTTCCCCAGTGAGAGGGAGCCGGTCCTTGCTGCACCTGTGC
rCysGlyMetAlaCysPheValProGlnEnd

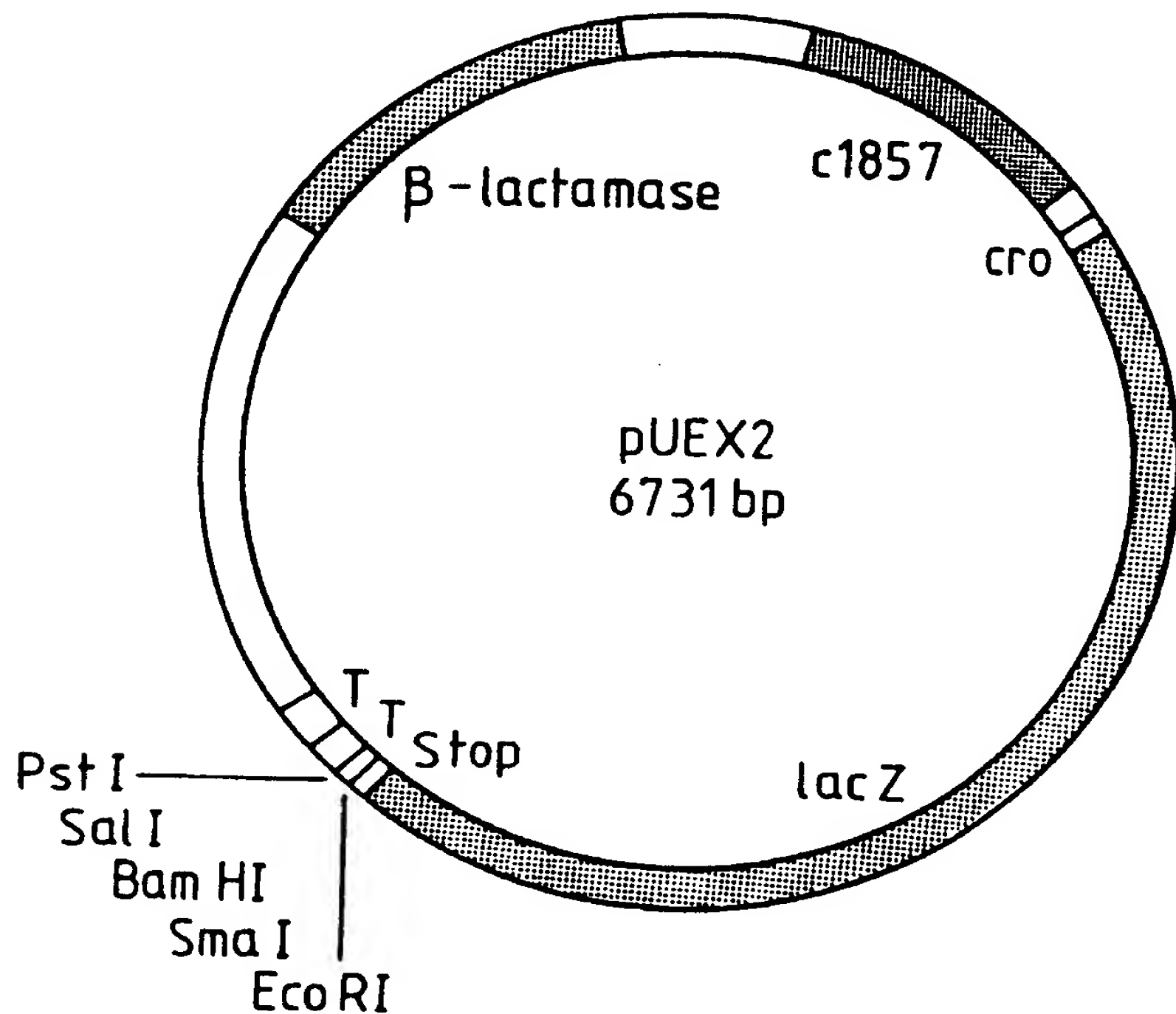
370 390 410
CGTCCCCAGAGCTACAGGCCCATCTGGTCCTAAGTCCCTGCTGCCCTTCCCCTTCCCAC

430 450 470
ACTGTCCATTCTTCTCCATTTCAGGATGCCCACGGCTGGAGCTGCCTCTCTCATCCACT

490
TTCCAATAAAGAGTTCCGGAATTC
Poly A EcoRI
signal

CCCTAACCGCTGCTTGAAAGATACTGACTGCCCAGGAATCAAGAAGTGCTGTGAAGGCTC

Fig. 17.



	EcoRI	SmaI	BamHI	SalI		PstI									
pUEX2															
	GAA	TTC	CCG	GGG	ATC	CGT	CGA	CCT	GCA	GCC	AAG	CTT	GCT	GAT	TGA
	Glu	Phe	Pro	Gly	Ile	Arg	Arg	Pro	Ala	Ala	Lys	Leu	Ala	Asp	***

The environment

The individual

The environment

The individual

